Elementary School Task Analysis Science Inquiry Lessons

Science Strand: <u>Earth Science - Water Cycle</u>

Manipulatives: <u>Vocabulary word/picture cards, sponge, water, KWHL chart, assistive</u> technology, Concept Statement on sentence strip with picture symbols for key vocabulary.

What the teacher will do	Materials to Present	What the student will do	Examples of Student
			Responses
1.Introduce Lesson	Ask wonder question (e.g., I wonder why it rains?)	Interact with materials.	ask questions, touch, look at materials
2. Review Target Vocabulary	Word/picture/object (e.g., Precipitation, Rain, picture symbol of cloud/rain, squeeze sponge with water in it)	Read objective statement for lesson.	verbal answer, text point, velcro, stamp circle, eye gaze, AAC
3. Ask "Do you know what this is?"	Present materials	Answers "I know" or "I don't know"	verbal answer, text point, AAC
4. Fill in K "know" on KWHL chart	KWHL Chart (e.g., I know it is wet)	Attend to chart	verbal answer, touch, velcro, stamp eye gaze, AAC
5. Ask "What do you want to know?"	Present options	Poses question "I want to know"	point, touch, eye gaze
6. Fill in the W "Want to know" on the KWHK chart	KWHL chart (e.g., I want to know why clouds drop rain.)	Attend to	verbal answer, touch, velcro, stamp eye gaze, AAC
7. Ask "What do you think will happen in the experiment, What is your prediction?"	Provide options (e.g., Clouds drop rain when they are heavy.)	Indicate yes or no	verbal answer, circle, touch/point, Velcro, stamp
8. Wait for student to initiate response with materials	Materials	Manipulate	Touch, observe
9. Fill in H "How" on KWHL chart	KWHL chart (e.g., fill "cloud" (sponge) with water)	Attend to	verbal answer, touch, velcro, stamp eye gaze, AAC
10. Conduct Experiment	Materials for experiment	Participate	Touch, observe, stir, pour
11. Read Concept Statement	Concept Statement (e.g., Clouds create precipitation when they are heavy.)	Read/text point	Eyegaze, point, switch
12. Fill in L "Learn" on KWHL chart	KWHL chart (e.g., Rain is a form	Attend to	verbal answer, touch, velcro, stamp eye

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	of precipitation, Clouds get heavy and make precipitation)		gaze, AAC
13. Review Experiment	Experiment results	Yes/no	verbal answer, circle,
Results	(e.g., When the		touch/point, Velcro,
	cloud had only a		stamp
	small amount of		
	water in it, did it		
	create		
	precipitation? – No)		
14. Summarize Concept	Concept statement	Fill in	verbal answer, circle,
	(e.g., Clouds create		touch/point, Velcro,
	precipitation when		stamp
	they are)		